

CATALYST ENHANCEMENT

- 5 [0001] This invention relates to the production of higher hydrocarbons from synthesis gas utilizing a metal catalyst, particularly a cobalt catalyst.

RELATED APPLICATIONS

- per attorney
4-19-04 10
10658927, 012902
- [0002] The assignee of this application is filing herewith the following applications: ^{allowed}
Ser. 10/059,916
Docket No. 37227, entitled "Fischer-Tropsch Catalyst Enhancement"; Ser. 10/059,917
Docket No. 37228, entitled "Supported Catalyst Regeneration"; Ser. 10/059,918
Docket No. 37229, entitled "Supported Catalyst Activation; Docket No. 39158, Ser. 10/059,928
entitled "Supported Catalyst Treatment"; and Docket No. 39774, Ser. 10/059,926
entitled "Catalyst Regeneration", ^{all filed 1-29-02.} Also related in pending application Serial No. 09/628,047, filed August 1, 2000, entitled "process for Increasing Cobalt Catalyst Hydrogenation Activity Via Aqueous Low Temperature Oxidation".
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BACKGROUND OF THE INVENTION

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- [0003] The conversion of synthesis gas, i.e. carbon monoxide and hydrogen, to higher value products is well known and has been in commercial use for many years. Typical processes include, for example, methanol syntheses, higher alcohol synthesis, hydroformylation and Fischer-Tropsch synthesis. The synthesis gas mixture is contacted with a suitable catalyst typically comprising at least one Group VIII metals. Suitable Fischer-Tropsch catalysts comprise one or more catalytic Group VIII metals, such as iron, cobalt and nickel. For oxygenate synthesis, copper may be included as well.
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10/059,927